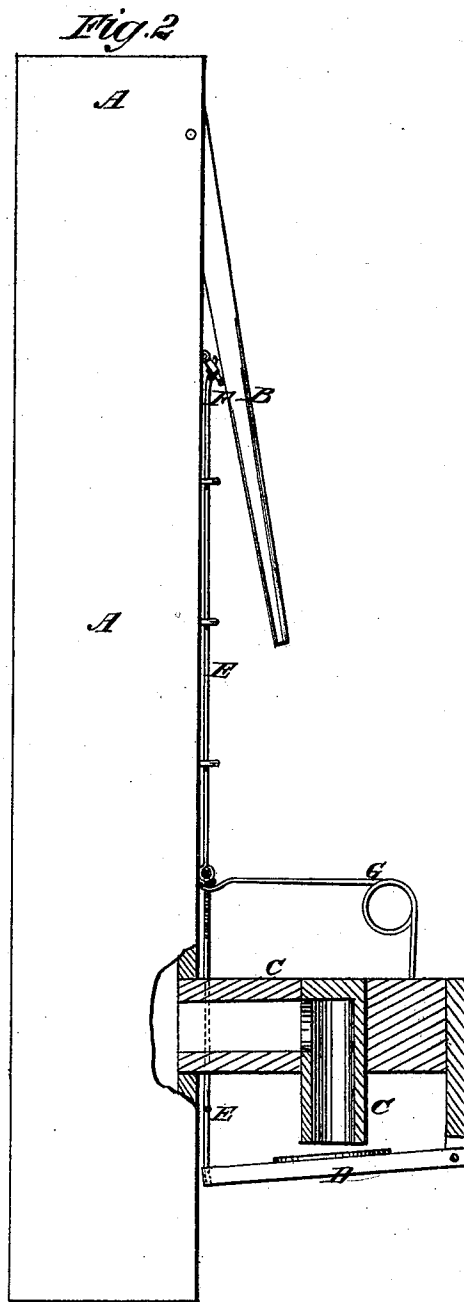
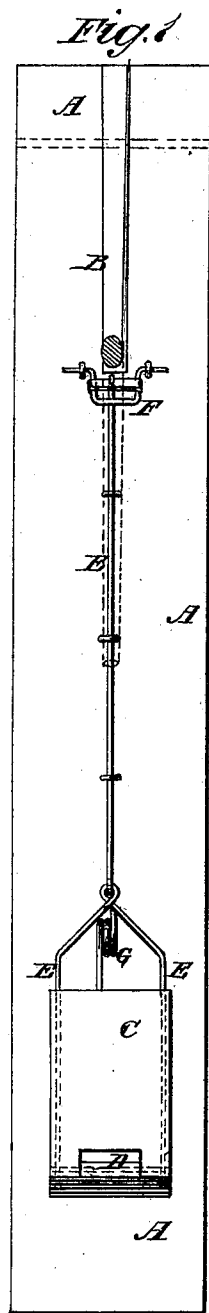


B. EBY & J. S. FIESTER.

PUMP.

No. 174,725.

Patented March 14, 1876.



WITNESSES:

James McCall,
John Goethals

INVENTOR:

B. Eby and
J. S. Fiester
BY *Munn*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

BENJAMIN EBY AND JACOB S. FIESTER, OF KINZER, PENNSYLVANIA.

IMPROVEMENT IN PUMPS.

Specification forming part of Letters Patent No. **174,725**, dated March 14, 1876; application filed February 21, 1876.

To all whom it may concern :

Be it known that we, BENJAMIN EBY and JACOB S. FIESTER, of Kinzer, Lancaster county, Pennsylvania, have invented a new and Improved Pump, of which the following is a specification :

Figure 1 is a view of a pump to which our improvement has been applied, and Fig. 2 is a view of the same turned one-quarter around, and part being broken away to show the construction.

Similar letters of reference indicate corresponding parts.

The object of this invention is to improve the construction of pumps, to prevent the water from remaining and freezing in the pump-barrel.

The invention consists in the combination of the spout, the valve-plate, the connecting-rod, the lever loop or trigger, and the spring with the barrel and the handle of a pump, as hereinafter fully described.

A represents the pump-barrel, and B represents the pump-handle. To the pump-barrel A, at or beneath the frost-line, is attached a right-angled spout, C, against the mouth of which is pressed a valve or stop-plate, D. The outer end of the valve-plate D is pivoted to an arm attached to the outer part of the spout C, and to its inner end is attached the branched lower end of the connecting-rod E.

The rod E passes up along the side of the pump-barrel, through keepers attached to said barrel, and its upper end is pivoted to a lever-loop or trigger, F, which is pivoted to the pump-barrel A in such a position that when the handle B is lowered to its lowest point it may strike the said loop and press it downward, uncovering the mouth of the nozzle or spout C, and allowing all the water above the frost-line to flow out, so that it cannot freeze. As the handle B is raised to work the pump, the valve-plate D is again raised against the mouth of spout C by a spring, G, attached to the said spout C and connected with the connecting-rod E, to prevent the entrance of air into, or the escape of water from, the pump-barrel while the pump is being worked.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination of the spout C, the valve-plate D, the connecting-rod E, the lever-loop or trigger F, and the spring G, with the barrel A and the handle B of the pump, substantially as herein shown and described.

BENJAMIN EBY.
JACOB S. FIESTER.

Witnesses:

ISAAC ANDERSON,
BARTON WASSON.